

Rechecked SEQ SEARCH results in combination with focus on text search: *Bacillus stearothermophilus* (STIC)

| Item Listing Version# 1               |                  |
|---------------------------------------|------------------|
| Item Name                             | Download Content |
| <a href="#">us-10-797-262-1.rge</a>   |                  |
| <a href="#">us-10-797-262-1.rng</a>   |                  |
| <a href="#">us-10-797-262-1.rni</a>   |                  |
| <a href="#">us-10-797-262-1.rnpbm</a> |                  |
| <a href="#">us-10-797-262-1.rnpbn</a> |                  |
| <a href="#">us-10-797-262-1.rnpm</a>  |                  |
| <a href="#">us-10-797-262-1.rnpn</a>  |                  |
| <a href="#">us-10-797-262-1.rst</a>   |                  |
| <a href="#">us-10-797-262-2.rag</a>   |                  |
| <a href="#">us-10-797-262-2.rai</a>   |                  |
| <a href="#">us-10-797-262-2.rapbm</a> |                  |
| <a href="#">us-10-797-262-2.rapbn</a> |                  |
| <a href="#">us-10-797-262-2.rapm</a>  |                  |
| <a href="#">us-10-797-262-2.rapn</a>  |                  |
| <a href="#">us-10-797-262-2.rpr</a>   |                  |
| <a href="#">us-10-797-262-2.rup</a>   |                  |

# RESULT 1

US-10-797-262-2

; Sequence 2, Application US/10797262

; GENERAL INFORMATION:

; APPLICANT: East Tennessee State University Research Foundation

; APPLICANT: Lampson, Bert C.

; APPLICANT: Velore, Jashree

; TITLE OF INVENTION: RNA-Dependent DNA Polymerase from thermophilic *Geobacillus*

; TITLE OF INVENTION: *stearothermophilus*

; FILE REFERENCE: 2826067-000002

; CURRENT APPLICATION NUMBER: US/10/797,262

; CURRENT FILING DATE: 2004-03-10

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 2

; LENGTH: 420

; TYPE: PR1

; ORGANISM: *Geobacillus stearothermophilus*

US-10-797-262-2

Query Match 100.0%; Score 2173; DB 37; Length 420;

Best Local Similarity 100.0%; Pred. No. 1.1e-193;

Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MALLERILARDNLITALKRVEANQGAPGIDGVSTDLRDIYIRAHWSTIRALLAGTYRPA 60  
 |||

Db 1 MALLERILARDNLITALKRVEANQGAPGIDGVSTDQLRDYIRAHWSTIRAQLLAGTYRPA 60

Qy 61 PVRRVGIPKPGGGTRQLGIPTVVDRLIQQAILQELTPIFDPDFSPSSFGFRPGRNAHDAV 120  
 |||

Db 61 PVRRVGIPKPGGGTRQLGIPTVVDRLIQQAILQELTPIFDPDFSPSSFGFRPGRNAHDAV 120

Qy 121 RQAQGYIQEGYRYVVDMDLEKFFDRVNHDIILMSRVARKVKDKRVLKLRAYLQAGVMIEG 180  
 |||

Db 121 RQAQGYIQEGYRYVVDMDLEKFFDRVNHDIILMSRVARKVKDKRVLKLRAYLQAGVMIEG 180

Qy 181 VKVQTEEGTPQGGPLSPLLANILLDDLDKELEKRGKLCRYADDCNIYVKSRLAGQRVKQ 240  
 |||

Db 181 VKVQTEEGTPQGGPLSPLLANILLDDLDKELEKRGKLCRYADDCNIYVKSRLAGQRVKQ 240

Qy 241 SIQRFLEKTLKLVNEEKSAVDRPWKRAFLGFSFTPERKARIRLAPRSIQRLKQRIQLT 300  
 |||

Db 241 SIQRFLEKTLKLVNEEKSAVDRPWKRAFLGFSFTPERKARIRLAPRSIQRLKQRIQLT 300

Qy 301 NPNWSISMPERIHRVNQYVMGWIGYFRLVETPSVLQTIEGWIRRRRLRCQWLQWKVRTR 360  
 |||

Db 301 NPNWSISMPERIHRVNQYVMGWIGYFRLVETPSVLQTIEGWIRRRRLRCQWLQWKVRTR 360

Qy 361 IRELRLGLKETAVMEIANTRKGAWRTTKTPQLHQALGKTYWTAQGLKSLTQRYFELRQG 420  
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Db 361 IRELRLGLKETAVMEIANTRKGAWRTTKTPQLHQALGKTYWTAQGLKSLTQRYFELRQG 420